

19970712.qrp qrp-por0.784
 >From owner-qrp-l@Lehigh.EDU Fri Jul 11 18:04 CDT 1997
 >Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
 > by uro.theporch.com (8.8.7.Beta2/A-UX-3.1.1) with ESMTP id SAA11378
 > for <shimshon@uro.theporch.com>; Fri, 11 Jul 1997 18:04:06 -0500 (CDT)
 >Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
 > by sco.theporch.com (8.8.7.Beta2/SCO-5.0.2) with ESMTP id XAA21540
 > for <shimshon@theporch.com>; Fri, 11 Jul 1997 23:03:56 GMT
 >Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
 <34893-62254>; Fri, 11 Jul 1997 19:03:23 -0400
 >Date: Fri, 11 Jul 1997 19:03:08 EDT
 >Sender: owner-qrp-l@Lehigh.EDU
 >Precedence: bulk
 >From: qrp-l@Lehigh.EDU
 >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 >Subject: QRP-L digest 784
 >Mime-Version: 1.0
 >Content-Type: text/plain; charset=us-ascii
 >X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
 >Message-Id: <97Jul11.190323edt.34893-62254+166@fidoii.cc.Lehigh.EDU>
 >Status: 0

QRP-L Digest 784

Topics covered in this issue include:

- 1) [22862] Re: WSN and Others Q-Sigs??
by chunt@macromedia.com (Christian Hunt)
- 2) [22863] Pixie, Thoreau restated
by MNHopkins@aol.com
- 3) [22864] How to search WWW archive?
by The Boices <boice@bigfoot.com>
- 4) [22865] WTB: HD73 Rotor Control
by JFKluender@aol.com
- 5) [22866] Spartan Sprint Log
by "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
- 6) [22867] Conversion of 49 MHz transceivers to 6 meters
by bruce muscolino <w6toy@erols.com>
- 7) [22868] ??HF Mobile antennas on Motorhome??
by ka7you@juno.com
- 8) [22869] satellites up
by wj5o@juno.com
- 9) [22870] Re: satellites up
by "M. Monninger" <markem@primenet.com>
- 10) [22871] Re: satellites up
by "M. Monninger" <markem@primenet.com>
- 11) [22872] 15 METER SUCCESS - it's getting more reliable
by "Len W. Tough" <len@infinet.com>

- 12) [22873] Re: satellites up
by k7sz@juno.com (Richard H. Arland)
- 13) [22874] Pixie, Thoreau restated
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 14) [22875] Removing Oneself from the G-QRP List?
by Bill Todd <bill@techline.com>
- 15) [22876] Final Transistor Protection Ideas?
by J0ppen6115@aol.com
- 16) [22877] 160 and 80 meter CRYSTALS
by "Phoenix Crystals" <phxtal@nava-link.net>
- 17) [22878] Re: satellites up
by Joe Gervais <vole@primenet.com>
- 18) [22879] License
by JPHurd@aol.com
- 19) [22880] Re: NW80/20
by Raventhorne <jelder@ix.netcom.com>
- 20) [22881] Badgers organizing, getting dangerous?
by Joe Gervais <vole@primenet.com>
- 21) [22882] FS open line SWR Meter
by "Bruce Barley" <lbbarley@feist.com>
- 22) [22883] Re: SST Tuning Mod revisited
by Alan Kaul <kaul@netcom.com>
- 23) [22884] Reliable charging of NiMH?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 24) [22885] Thanks
by "Juan A. Bertolin" <jbertolino@nexo.es>
- 25) [22886] Exam Software
by N8mgu@aol.com
- 26) [22887] Re: ??HF Mobile antennas on Motorhome??
by Bill Crowley <bcrow@Carte.Net>
- 27) [22888] Renewal Batteries: origin = BTI
by Ronald McConnell <rcmcc@lucent.com>
- 28) [22889] re: Badgers organizing...
by Goemans <jgoemans@facstaff.wisc.edu>
- 29) [22890] 38 spcl pwr modification
by Neil Pam Klagge <npklagge@davis.uswest.net>
- 30) [22891] Lazy-V Dipole re: w6sai HF Antenna Handbook
by Sam Billingsley <sbillingsley@mindspring.com>
- 31) [22892] Re: Pixie, Thoreau restated
by Zack Lau <zlau@arrl.org>
- 32) [22893] my email adr is back up
by Randy Hargenrader <randyh@harksystems.com>
- 33) [22894] SGC-2020
by James Parsons <k5rov@worldnet.att.net>
- 34) [22895] W5VBO Mobile Vacation
by Brian Kassel <bkassel@dancris.com>
- 35) [22896] Ham radio links
by "J. Skalski" <jskalski@acsu.buffalo.edu>

- 36) [22897] RE: Ham websites
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 37) [22898] Re: ??HF Mobile antennas on Motorhome??
by Ed Loranger <we6w@qsl.net>
- 38) [22899] Re: How to search WWW archive?
by Ed Loranger <we6w@qsl.net>
- 39) [22900] Re: ??HF Mobile antennas on Motorhome??
by Chris Cartwright <ccart@dns.vidtel.com>
- 40) [22901] Re: IC706MKII_STUCK_LCD_SEGMENTS
by Chris Cartwright <ccart@dns.vidtel.com>
- 41) [22902] Re: Badgers organizing, getting dangerous?
by FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \ (608\) 267-3135)
- 42) [22903] Re: 15 METER SUCCESS - it's getting more reliable
by Ed Loranger <we6w@qsl.net>
- 43) [22904] Spectrum Analyzer adapter
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
- 44) [22905] W1FB email address ??
by "KA5T Larry Wise" <lewise@inetport.com>
- 45) [22906] CQC Meeting & Awards
by "Marshall Emm" <mgemm@mtechnologies.com>
- 46) [22907] MPS-U31 Replacement??????
by "A. Weiss W0RSP" <AWEISS@charlie.usd.edu>
- 47) [22908] QRP at Glacier
by Bruce Rattray <rattray@siast.sk.ca>
- 48) [22909] my email box is back up
by Randy Hargenrader <randyh@harksystems.com>
- 49) [22910] Re: Icom IC 706 MK II
by FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \ (608\) 267-3135)
- 50) [22911] Minimalism Abandoned?
by "Ed Manuel" <n5em-qrp@msn.com>
- 51) [22912] Dan's Small Parts
by Tom Bowman <tbowman@nbn.net>
- 52) [22913] Lost Magazine Article
by Jeff Grudin <grudin@pacific.vdbs.com>
- 53) [22914] W1FB email address
by "KA5T Larry Wise" <lewise@inetport.com>
- 54) [22915] stamps
by Bob Hirsch <bobh@p3.net>
- 55) [22916] Station ordered off the air in Interference case
by wb2vuo@juno.com (William K Hibbert)
- 56) [22917] Re: Station ordered off the air in Interference case
by Jeff Grudin <grudin@pacific.vdbs.com>
- 57) [22918] Re: MPS-U31 Replacement??????
by Chris Cartwright <ccart@dns.vidtel.com>
- 58) [22919] Re: Station ordered off the air in Interference case
by Ed Loranger <we6w@qsl.net>
- 59) [22920] Re: Station ordered off the air in Interference case
by Ed Loranger <we6w@qsl.net>

60) [22921] DX/QRP ZF2DE/8 QSL VIA?
by Werner Jochem <Werner.Jochem@hoexter.netsurf.de>

Date: Thu, 10 Jul 1997 16:28:53 -0700
From: chunt@macromedia.com (Christian Hunt)
To: <qrp-l@Lehigh.EDU>
Subject: [22862] Re: WSN and Others Q-Sigs??
Message-ID: <v02140b0cafeb201c37a8@[198.95.203.216]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 3:56 PM 7/10/97, Gary L L Surrency wrote:

>Even a little bit of RF leakage can go further than you think.

Was testing some 70cm stuff and ran 500mW into a dummy load and managed to hit a repeater about 6 miles away... And people say that bad antennas are dummy loads! ;)

73, KF6IHU

Christian O. Hunt - QA Punk & Unix Demigod
Macromedia San Francisco - x2314

Date: Thu, 10 Jul 1997 19:35:57 -0400 (EDT)
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Subject: [22863] Pixie, Thoreau restated
Message-ID: <970710193557_60078607@emout05.mail.aol.com>

Thanks for your several answers to whatever I started with
" Pixie, Thoreau and QRO."

In fact, the original posting was not about antennae, but about Minimalism. A Sierra with a hand full of plug-ins and density approaching LSI is not Minimalist while my transistor MOPA made from a one off board from a friend in Nortex QRP and powered by a

24V regulated supply from a side of the road TV set is -- especially as the set yeilded also the xtal. The guy who made the board, a retired Collins employee, sticks to DC RXs 'cause he can drop offending signals to zero beat. He is a minimalist, too.

I hoped to suggest that we have disregarded the Minimalist tradition of QRP in favor of what I must call the DXer tradition. The DXers have a high profile and overshadow what Grammer called the "tinkerer type ham." Newcomers get the impression that DXers are all of us. If so, we have made a short Extra call, a big antenna and a pocket full of money a prerequisite to, of all things, QRP.

Ade Weiss, bless him, is part of the problem. In his books he records the Minimalist part of our History, but he does not value or salute it. Too bad as the QRP ARCI is his clone in near entirity. (Not the G-GRP, by the way).

Anyway, the observation about our not understanding ERP was and is part and parcel of the same complex that makes us insist on output power when beginners have trouble with E X I. In the Navy they say, "I'm aboard Mister, pull up the ladder."

de ab5l MHHopkins@AOL.com
Michael.Hopkins@DRIG.com QRP-ARCI #4400, G-QRP #669

Date: Thu, 10 Jul 1997 17:46:00 -0700
From: The Boices <boice@bigfoot.com>
To: qrp-l@Lehigh.EDU
Subject: [22864] How to search WWW archive?
Message-ID: <1.5.4.32.19970711004600.006712f0@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Am I missing something, or is there a way to search all the QRP-L archives via the web? I thought I had done it once or so in the past, but now can't seem to find a way to do it.

I'm particularly interested in comments on the Auttek Research RF-1 v. MFJ-259.

73,
mike KD0FX
Richland WA

Date: Thu, 10 Jul 1997 20:46:56 -0400 (EDT)
From: JFKluender@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22865] WTB: HD73 Rotor Control
Message-ID: <970710204655_26512957@emout17.mail.aol.com>

Folks,

It seems that in my recent moves I have misplaced the rotor control box to my Alliance HD73 rotor. Would, perchance, anyone out there have a control box which they would like to sell? Someone has to have had their rotor go bad..

Thanks,
Joel NF9K

Date: 10 Jul 97 22:10:16 EDT
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@CompuServe.COM>
Subject: [22866] Spartan Sprint Log
Message-ID: <970711021016_70511.3041_IHD51-2@CompuServe.COM>

Gang:

This is the first time I have tried to report a contest log...but here goes anyway:

Time	Call	Sent	Rcvd	Pwr
0101	AB7TK	559	559	2w
0125	KF6CTA	549	459	3w
0128	K06KA	549	569	3w
0131	W6SU	579	599	2w
0134	KB9LGJ	439	339	3w
0138	W6ZH	599	589	2w
0139	K6VNX	599	579	5w
0143	W5VBQ	599	599	5w
0146	AA7QU	599	589	4w
0147	N7VE	589	569	5w
0152	AB7TT	589	559	2w
0309	K7ZR	549	239	5w

All these Q's were on 20 metres...and you can see they were in a short time. We were under a tornado warning starting just before 0200Z (!!!) so I decided to QRT. Plus the QRN was *RUFF* here, anyway, even on 20.

Note that I had no Q's whatever on 40. Note also that all Q's were essentially west, southwest or northwest of my QTH. I did not even hear any guys east of me. And you can graph how the sigs built up and then decayed. Very interesting.

Setup = Sierra at 2 watts (batteries in RS holders) + Whiterook keyer + SLV/W6MMA (short coil) + headphones. Don't know the total weight, but it was fairly light. Can anyone help calculate the total?

Thanks again to one and all who stopped by for a short visit to Lake Woebegone! Let's do it again sometime. BTW, I plan to be /portable in New Mexico starting this Saturday for perhaps a week. (Same setup as above.) Will be at 7500' elevation ASL. Bet the sig gets out this time! Will also have a couple of other antennas along, just in case.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 mn-qrp 19 nj-qrp 69 ak/qrp 139
ARCI 9398 ARRL WAS 49/38 DXCC 47/39 <><

Sierra Argosy 525 Argo 515 HW-9 Explorer II-30 SW-30 Norcal 40a
Emtech 40-40 SW-40 TT 1340 A&A Gary Breed 30 49er 38S Mercury
Paddles MFJ 259 MFJ 941D TNT/2 Windom SLV/W6MMA HB G5RV
Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Thu, 10 Jul 1997 22:05:44 -0700
From: bruce muscolino <w6toy@erols.com>
To: QRP-L@Lehigh.EDU
Subject: [22867] Conversion of 49 MHz transceivers to 6 meters
Message-ID: <33C5BF28.3FFD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In the late 80s or early 90s the 6 meter group in Southern California printed instructions of doing this with the then current Radio SHack product. I know I have a set but I doubt I could find them without

devine intervention. Let me suggest this... The next time one of you, or anyone else on this list who wants to help, goes to the TRW swapmeet in LA, look for the SMIRK table. It's usually along the south side of the lot and is backed up by a motorhome. It is clearly marked by signs. Ask them if they still have the instructions handy.

73,

Bruce

Date: Thu, 10 Jul 1997 22:56:02 EDT
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [22868] ??HF Mobile antennas on Motorhome??
Message-ID: <19970710.190551.12551.15.KA7YOU@juno.com>

Our family vacation this year will be to Indiana via motorhome this August to deposit my son at Purdue University for his first year of college-YeeHaw!

I will take the Argonaut 515 and an NW-30 and hope to get on the air from somewhere. I also have parts for the SLV but probably won't get it done in time. My track record for completed projects is very poor.

What does anyone suggest about HF antennas for use on the 10+ foot high motorhome while mobile? I know I need to get the loading coil above the body, and that puts the top of my Hustler whips perilously close to overpasses etc. I have mangled enough 2M whips to know a HF resonator won't make the trip sticking up high. I have a trap vertical mounted on a foldover base at roof level, but it is hard to use while laying on the roof while mobile. :>)

I could mount a mobile antenna at a 45 degree angle off the back, but I'm wondering what others might have done. How would a small kite and a disposable wire do? :>) Naw, I'd spend too much time replacing them, and then that would be just one more unfinished project.

Looking for ideas...

73,

Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)
NWQRP/#120 ARCI/#7251 QRP-L/#844 NorCal #2007

Date: Thu, 10 Jul 1997 22:23:23 cdt
From: wj5o@juno.com
To: QRP-L@Lehigh.EDU, TENTEN-L@Lehigh.EDU, crpshams@kf5px.ampr.org
Subject: [22869] satellites up
Message-ID: <19970710.222324.3734.2.WJ50@juno.com>

Hey Gang,
Is this the start of a commercial venture that could infringe on Ham
privileges?
de WJ50

VANDENBERG AIR FORCE BASE, Calif. (AFNS) -- Vandenberg officials
successfully launched five Iridium satellites for Motorola Corp. on a
McDonnell Douglas Delta II rocket July 9. The booster was launched from
its North Vandenberg launch complex at 6:04 a.m. PDT.

The Iridium system is a worldwide wireless telecommunications network
designed to provide communication services to registered subscribers
using handheld telephones and pagers. These satellites will be part of
a 66-satellite network which is scheduled to be operational in 1998.

The Delta II was launched by a team from Vandenberg's 2nd Space Launch
Squadron and McDonnell Douglas Corporation of Huntington Beach, Calif.
Future Iridium launches are slated to carry five satellites each during
the next six Iridium launches from here at Space Launch Complex 2.
(Courtesy of Air Force Space Command News Service)

Date: Thu, 10 Jul 1997 20:40:04
From: "M. Monninger" <markem@primenet.com>
To: wj5o@juno.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22870] Re: satellites up
Message-ID: <3.0.1.32.19970710204004.0096ecc0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

No, Iridium does not use the ham bands. There's a web site that has all the
details about Iridium...I can't find the URL at the moment but a search
should turn it up pretty easily.

73... Mark

At 10:23 PM 7/10/97 cdt, wj5o@juno.com wrote:
>Hey Gang,

>Is this the start of a commercial venture that could infringe on Ham
>privileges?
>de WJ50
>
>VANDENBERG AIR FORCE BASE, Calif. (AFNS) -- Vandenberg officials
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>
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>the next six Iridium launches from here at Space Launch Complex 2.
>(Courtesy of Air Force Space Command News Service)
>
>
>

Date: Thu, 10 Jul 1997 20:47:35
From: "M. Monninger" <markem@primenet.com>
To: wj50@juno.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22871] Re: satellites up
Message-ID: <3.0.1.32.19970710204735.0096cce0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Following up on my posting of a few minutes ago...

The Iridium web site is www.iridium.com (duhh...). Here's a quote:

>Communication Frequencies:
>Radio spectrum utilized by IRIDIUM
>services include the L-band
>(1616-1626.5 MHz) for voice
>communication with IRIDIUM
>subscribers; and the Ka-band
>(19.4-19.6 GHz for downlinks;
>29.1-29.3 GHz for uplinks) for
>gateway and earth terminal

>transmissions.

None of those are ham allocations...

73... Mark AA7TA

At 10:23 PM 7/10/97 cdt, wj5o@juno.com wrote:

>Hey Gang,

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>privileges?

>de WJ50

>

>VANDENBERG AIR FORCE BASE, Calif. (AFNS) -- Vandenberg officials
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>

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>using handheld telephones and pagers. These satellites will be part of
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>Future Iridium launches are slated to carry five satellites each during
>the next six Iridium launches from here at Space Launch Complex 2.

>(Courtesy of Air Force Space Command News Service)

>

>

>

Date: Fri, 11 Jul 1997 00:07:42 -0700

From: "Len W. Tough" <len@infinet.com>

To: QRP-L@Lehigh.EDU

Cc: CW@QSL.NET

Subject: [22872] 15 METER SUCCESS - it's getting more reliable

Message-ID: <3.0.2.32.19970711000742.0069393c@infinet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hey guys and gals.....

Last weekend, I was playing around with my Green Mountain-15. I have it at about 1.5 watts out. Anyway, I have it fed to my QRP-LDG Autotuner and then to a homebrew *tree* vertical cut for 20 meters. This is my summer patio station set-up.

I called CQ once and got a response from a station in Texas. He gave me a nice report. Heck, I hate to think what my ERP was.

Just a thought that 15 is probably getting more reliable for us. Let's get on and enjoy.

W8VQ

Len Touth

W8VQ@key.com len@infinet.com

All Digital Ops - CW, HF Digital Modes, Packet
What does a Microphone look like?

Date: Tue, 8 Jul 1997 06:31:14 utc
From: k7sz@juno.com (Richard H. Arland)
To: wj5o@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [22873] Re: satellites up
Message-ID: <19970708.063141.4663.6.k7sz@juno.com>

On Thu, 10 Jul 1997 22:23:23 cdt wj5o@juno.com writes:

>Hey Gang,
>Is this the start of a commercial venture that could infringe on Ham
>privileges?
>de WJ50
>
>VANDENBERG AIR FORCE BASE, Calif. (AFNS) -- Vandenberg officials
>successfully launched five Iridium satellites for Motorola Corp. on a
>McDonnell Douglas Delta II rocket July 9.
>
>The Iridium system is a worldwide wireless telecommunications network
>designed to provide communication services to registered subscribers
>using handheld telephones and pagers. These satellites will be part
>of a 66-satellite network which is scheduled to be operational in 1998.
>

There goes the neighborhood!

73 rich K7SZ

Date: Fri, 11 Jul 1997 01:23:28 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [22874] Pixie, Thoreau restated
Message-ID: <19970711012316.AAA6076@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I heartily agree with most of your re-statement and do salute the minimalists. BUTTT... even if I had to bike or hike to a great antenna location I would still put up the very best antler scroungable just to see how far I can make that minimalist rig heard. That might mean, for instance, gamma-feeding the Eiffle Tower, or, the Golden Gate Bridge, or That's all I meant. Of course it would be fun to see just how minimalist one can get and I'd gladly participate in an effort to that end. But for day-to-day living w/QRP, my personal needs include the broader horizons as well.
Very Best 72/73 =s=

>
"Seab" Lyon -- AA1MY
Bethel, CT; USA FN-31-HJ
ARCI #9253; QRP-L # 574
NEQRP# 511; ARRL; QCWA;
C.A.R.A.

Date: Thu, 10 Jul 1997 21:10:11 -0700
From: Bill Todd <bill@techline.com>
To: qrp-1@Lehigh.EDU
Cc: k1lgq@dennis.mv.com
Subject: [22875] Removing Oneself from the G-QRP List?
Message-ID: <1.5.4.32.19970711041011.006d208c@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Group -

I got a note from Dennis Marandos saying that he was having some difficulty removing himself from the G-QRP postings. Can anyone look into WHY he cannot stop the G-QRP from sending them their List?

Certainly, there is a simple way to do this, but because I do not receive the G-QRP List myself, I don't know the correct method cancelling the posts. Would someone please E-mail Dennis and help him out on this?

Dennis's E-mail is: k1lgq@dennis.mv.com

BCNU,

CUL - Bill-N7MFB
<http://www.techline.com/~bill>

Date: Fri, 11 Jul 1997 00:26:21 -0400 (EDT)
From: J0ppen6115@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22876] Final Transistor Protection Ideas?
Message-ID: <970711002619_-1158911260@emout01.mail.aol.com>

Hi gang,
This posting was inspired by "Re: OHR Explorer II (40M) Help". It got me thinking about protecting the final transistor again. I seem to recall previous postings regarding the use of zener diodes (~36V or so?) to protect the final from seeing too much voltage from a bad antenna.

Is this a good idea? Any drawbacks? Can/should this be added to unprotected rigs/kits? What should be considered before doing this (are any other circuit changes required)?

What are any other options for keeping from blowing the final?

I kind of like the Wheatstone Bridge type of SWR circuit (identified by the three 50 ohm resistors in the circuit) as a way to protect the rig during tune-up. It keeps the SWR that the rig sees within a reasonable range regardless of the antenna's condition. Just watch the power rating on the resistors. They are dissipating a large percentage of your power during tune-up, and then removed to operate. Of course if the antenna changes while operating, it won't help!

>I knew right then I blew the final or something just as bad sounding
(doesn't everyone blow their final sending into a bad antenna?)

Thanks,
John Oppen, KJ6HZ

Date: Thu, 10 Jul 97 22:20:16 PDT
From: "Phoenix Crystals" <phxtal@nava-link.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [22877] 160 and 80 meter CRYSTALS
Message-ID: <MAPI.Id.0016.00687874616c20203030303630303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit

Hi Gang,
I have a small stock of blanks around 1840 Khz. and can provide them in the
DC-31 type holder which has the same .093" diameter pins on 1/2 inch
spacing as the FT-243 type holder. The difference is the holders are
slightly wider than the FT-243.

I have a small stock of 3 Mhz. blanks and can supply 3500 to 3725 Khz.
FT-243 crystals.

IS ANYONE INTERESTED?

John at
PHOENIX CRYSTALS
1714 NORTH ASH STREET
NEVADA, MO 64772

Date: Thu, 10 Jul 1997 22:12:22 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [22878] Re: satellites up
Message-ID: <199707110512.WAA11293@usr09.primenet.com>

WJ50 wrote:

>

> Is this the start of a commercial venture that could infringe on Ham

> privileges?

As mentioned, no. However it *may* end up causing chaos for our radio astronomy friends. Seems the community is holding its breath waiting to see how much ambient noise the system will end up producing. Could mess up their lives pretty good. Supposedly another LEO system under proposal would be worse - seems the freq they would use matches the natural frequency of a key element that radio astronomers like to look at (a form of hydrogen?).

Perhaps Paul (NA5N) could fill us in on more. Or correct me if I'm off the mark.

QRP-related? Heck, if radio astronomers aren't the kings (and queens) of weak signal reception, I can't think of who is. I'd say they're blood cousins to us at least.

Not to mention that when it comes to fighting frequency invasion, it's good to know who your friends and allies are!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"What, a raw frog?!? Don't you even take the bones out?!?"

"If we took the bones out they wouldn't be crunchy, would they?"

Date: Fri, 11 Jul 1997 01:13:50 -0400 (EDT)
From: JPHurd@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22879] License
Message-ID: <970711011349_26531696@emout05.mail.aol.com>

Can any one tell me where I write to get a copy of my ham licence. I need it to upgrade.

Date: Fri, 11 Jul 1997 00:13:40 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: JMG@tntech.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22880] Re: NW80/20

Message-ID: <2.2.16.19970710221313.0b7f20d0@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:53 AM 6/27/1997 -0500, Jeff M. Gold wrote:

>I just thought I would add my 2c worth
>

>A while back I built the Dan's MW8020. It was an ok kit and worth
>the money. There was an error where the board had a short to
>ground (and I heard a number of others say there board was the
>same) .. only had to cut the trace.

I've got a 40m version waiting to be assembled. What trace do I need to cut?

tnx,

John

@~~~

@ John Elder, Ko6TS

@ PHROG (Pagan Ham Radio Operators' Guild)

@ Box 232, El Segundo, CA 90245

@ Mike Tyson shouldn't have started his apology speech with:

@ "Friends, countrymen, lend me your ears . . ."

Date: Thu, 10 Jul 1997 22:49:39 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [22881] Badgers organizing, getting dangerous?
Message-ID: <199707110549.WAA12991@usr09.primenet.com>

Alert! Just ran across this item in the FCC Daily Summary:

Club, Recreation and Military Callsigns:

BADGER AMATEUR RADIO SOCIETY W9YT

They're furry. They're pernicious. They're on the air.
Be afraid. Be very afraid.

:)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And now... The exploding Blue Danube."

Date: Fri, 11 Jul 1997 02:30:53 -0500
From: "Bruce Barley" <lbbbarley@feist.com>
To: <qrp-1@Lehigh.EDU>
Subject: [22882] FS open line SWR Meter
Message-ID: <199707110736.CAA17303@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello to all, and especially you who use open line or ladder line to feed your antenna -

I have acquired a SWR/Power meter for open line ONLY. It has two isolantite feed thru insulators on each side of the case w/ wingnuts. The case is a heavy guage steel w/ dark grey textured paint. These wingnuts are the only connections to this SWR meter. The back of the case is open.

This is a commercial unit mfg. by M.C. Jones Electronics Co. of Bristol, Conn. The model designation is "Micro-Match" Model MM-1. The meter reads SWR up to as much as 20:1, and also can be used to indicate relative power. >From the construction of the unit, I would guess it to date from the 1950's or so.

Don't know for sure. I am not familiar with M.C. Jones, nor do I use open wire feeders. There is some goop on the meter glass (glass is NOT broken), and otherwise it is pretty doggone clean. Paint is 90+ % with no wear visible, and all the lettering is good. Meter face is good and clean.

Here is the nice part-- there is a front panel adjustment for line impedance (has a small air variable capacitor) and the panel markings are for <70 ohms to >300 ohms line impedance. Versatile!

Certainly someone on the list will have a better home than I for this unit. It is too unique to just be setting on a shelf somewhere. I already have enough "STUFF" setting on my shelves. Since I don't have a use for it, I am offering it for sale at \$25. I've been knocking around ham radio since I was a kid, and I haven't previously seen an open line ONLY swr meter. This thing looks like it could handle up to about 100 watts or so, easily. Shipping will at probably be another \$5 for a total expense of \$30 from

Wichita, KS.

Because a number of you are digest-only on the list, I will try to make this fair to everyone. I will take names of interested parties, and then have my daughter draw a name this weekend. If this is something you would find useful in your shack, give me a shout via return e-mail.

72's - 73's
Bruce Barley KB0PZD qrp-l #69
lbbarley@fiest.com

Date: Fri, 11 Jul 1997 02:14:32 -0700 (PDT)
From: Alan Kaul <kaul@netcom.com>
To: "David D. Meacham" <ddm@datatamers.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22883] Re: SST Tuning Mod revisited
Message-ID: <Pine.3.89.9707110217.A23182-01000000@netcom14>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang got home from my trip to Northern California to find my 20M SST waiting (Bob shipped it priority mail -- it beat me back from the Norcal Meeting!!!!). I know Dave Meacham has made a pretty good linear tuning mod by soldering an 18k resistor from the tuning pot to the 8V regulator. I've still got his post. And I read where someone else changed C10 to 15pf AND R10 to 120 Ohms -- but I don't know if that was on the 20M version. If anyone has any mods for the 20 Meter SST, I'd love to hear about them before I plug in the solder iron!!

Pls and tnx and best 73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

Date: Fri, 11 Jul 1997 19:04:06 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [22884] Reliable charging of NiMH?
Message-ID: <33c61326.pandora@pandora.lugs.org.sg>

Hi,

I was wondering if anyone here has successfully built a reliable NiMH charger using negative delta as the end-of-charge detection?

I was involved in building such a charger and have found that it is not quite as easy as it sounds to build such a charger. Even the standard charger for my Ericsson handphone seems to have some difficulty in properly detecting this negative delta. From what I have gathered, it seems that there is quite a bit of fluctuation as a result of the chemical reactions within the battery. Can anyone throw some light on this subject?

The negative delta for NiCd's is more pronounced and so detection is much easier. I know some people use temperature delta as a termination criteria but I want to avoid that for the time being because some of the batteries that we will use for our rigs will not have the built in thermistor.

Presently I am thinking of building a special charger/analyzer with a 16-bit ADC and microcontroller controlled current/voltage source to charge/discharge and log the profile of the different battery chemistries. This will, of course, handle Lead-Acid, NiCd, NiMH, Li-Ion and whatever other rechargeable cells that I can think of. Hopefully the logging (which will be viewed on the PC) will reveal some of these mysteries. Oh well....

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg   |
| QRP-L #667 | 9V1ZV@amsat.org                    |
+-----+-----+
```

Date: Fri, 11 Jul 1997 14:24:33 +0200
From: "Juan A. Bertolin" <jbertolino@nexo.es>
To: "QRP - LIST ADDRESS" <qrp-l@Lehigh.EDU>
Subject: [22885] Thanks
Message-ID: <199707111131.NAA02579@smtp.bankinter.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Thank you very much to everybody that sent me an answer to my issues. It was great to receive so many answer. I will inform you about my decision.

Best Regards

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 ? ? \\ ~ ~ // ?
 ? (. \ -0-0-/.) ? ?
-----o00o-()-o00o-----

- e-mail : jbertolino@nexo.es -
- SETEC ASTRONOMY -
- 'Only one key is enough to open all the doors' -

Date: Fri, 11 Jul 1997 07:32:42 -0400 (EDT)
From: N8mgu@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22886] Exam Software
Message-ID: <970711073241_538977263@emout11.mail.aol.com>

I am teaching a Novice/Technician license class. I am happy to say that all 9 students are diligently studying both theory and code. I have also taken this opportunity to expound on both the virtues and pleasures of QRP.

My problem is that I would like software (shareware or freeware) that creates sample tests from the most current question pool. I am aware of the URL that produces sample tests online, but this does not fill my needs. I want to provide the tests in the class. Can anyone can help me out? Thanks.

73/72 dit dit
Larry Mittman (N8MGU)
Cleveland OH

Date: Fri, 11 Jul 1997 08:37:29 -0400
From: Bill Crowley <bcrow@Carte.Net>
To: ka7you@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22887] Re: ??HF Mobile antennas on Motorhome??
Message-ID: <33C62909.7B2E@carte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Rod --

If you have a ladder on the back of your motor home for access to the roof, go to Radio Shack and get an antenna mirror mount, designed to mount CB antennas on truck side mirrors. Clamp it on the vertical part of your ladder so that the resonator clears the roof. As long as you stay under 13 feet overall height (and keep a sharp eye out for low hanging branches when you are off the Interstate), you should be alright.

One other thing: when you see local signs prohibiting heavy trucks along a residential street, you can often expect utility wires less than 13 feet off the deck. Forewarned is, well, forewarned. Been there, done that, got the T-shirt. :-)

73 de Bill, K1NIT

Date: Fri, 11 Jul 1997 09:16:30 -0400
From: Ronald McConnell <rcmcc@lucent.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Cc: "'Ronald McConnell'" <rcmcc@lucent.com>
Subject: [22888] Renewal Batteries: origin = BTI
Message-ID: <01BC8DDB.1EE687B0@ADC_LAB9>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I believe some already posted this info a while back,
but some folks may have missed it.

The origin of the rechargeable alkaline batteries
is Battery Tech Inc. where Rayovac licenses
the Renewal technology. Check out

<http://www.bti.ca>

for some detailed technical data on the current generation
of rechargeable alkaline batteries and the hopes
for future versions. The Rayovac web site has
mainly a qualitative sales type description.
<http://www.rayovac.com>

The local grocery store had the AA/AAA recharger
on sale for \$9. I bought one and took the cover
off. The DC voltage at the output of the rectifier

diodes was between 10.5 and 11 Vdc. I think
I will add in a connection there for a cigarette lighter
plug there with a series diode or two to get the voltage
down. Has anyone tried that?

Charge on!!

Ron McConnell, w2iol

Date: Fri, 11 Jul 1997 08:38:58 -0500
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@Lehigh.EDU
Subject: [22889] re: Badgers organizing...
Message-ID: <199707111337.IAA94182@audumla.students.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Alert! Just ran across this item in the FCC Daily Summary:

>

>-----

>Club, Recreation and Military Callsigns:

>

>BADGER AMATEUR RADIO SOCIETY W9YT

>-----

>

>They're furry. They're pernicious. They're on the air.

>Be afraid. Be very afraid.

>

>:)

>

>Cheers de AB7TT,

>

Club, Recreation and Military Callsigns:

BADGER AMATEUR RADIO SOCIETY W9YT

They're furry. They're pernicious. They're on the air.

Be afraid. Be very afraid.

:)

Cheers de AB7TT,

Hi everybody,

Hate to say this, but the Badgers have been organized for a LONG time ! This club is in the Electrical Engineering Dept. at the Univ. of Wi. here in Madison, Wi. The call is not a new vanity call but one of the original "educational" callsigns from way back.

As Nils should already know, the team mascot at the UW is the Badgers. In fact, Wi is known as the "Badger State" ! Remember Rose Bowl 1994 when the Badgers crushed some team from the Left Coast ???

72, Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153

Date: Sat, 12 Jul 1997 08:32:13 -0600
From: Neil Pam Klagge <npklagge@davis.uswest.net>
To: qrp-l@Lehigh.EDU
Subject: [22890] 38 spcl pwr modification
Message-ID: <33C7956D.135C@davis.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For those of you who are using the IFR510 power mod, I found a way of controlling the power level on my 38s from 250mw up to almost 6 watts. It involves using the 0.1uf at C101 (some mods have it omitted and replaced with a wire) and using a 4.7k at R101 in series with a 100K pot whose other end goes to "R-" instead of "+12V." The capacitor at C101 is for DC blocking so that the gate bias of the FET can be controlled using the combination of the 4.7k and the pot and the R- voltage which ensures that the FET is shut off during receive.

Earlier when I tried to drive the FET directly from the 74HC240 (i.e. with R101 removed and C101 jumpered) I was only able to get about 2 to 3 watts output.

I also tried adding C505 (its C501 on the PCB) but found that it lowered my output power back down to about 2 watts again. Power was measured on a cheap Radio Shack power/swr in-line meter. Those of you with better test equipment could check this out to see what is really happening. Please post your

results if you try this modification. I'd like to know if anyone else gets similar results, or if my meter is fooling me. Thanks.

72/73

WOYSE, Neil

Date: Fri, 11 Jul 1997 10:33:22 -0400
From: Sam Billingsley <sbillingsley@mindspring.com>
To: "Qrp-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [22891] Lazy-V Dipole re: w6sai HF Antenna Handbook
Message-ID: <01BC8DE6.0E291860@user-37kbt44.dialup.mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

As anyone tried the Lazy-V Dipole referenced in w6sai's handbook? If so, =
did you try multi-band operation?

I'm thinking (I know it's dangerous) that I could setup in trap or =
multi- wire dipoles form and accomplish a multi-band operation, with =
almost omni-directional radiation and a low angle of radiation (than =
horiz dipole or stanted dipole) the article suggests.

I plan to use a tall pine tree instead of the 40 vertical mast the =
article shows.

Any ideas? I'm DIGEST mode user so please send any responses directly to =
me. Thanks.

Sam Billingsley, AE4GX e-mail sbillingsley@mindspring.COM
Atlanta, GA 30342
Wire Antennas, Butternut Vert, AEA IsoLoop
Ramsey 1w 40 mtr xmtr/rcvr norcal # 2210 MI-QRP # 1567
Index Labs QRP+ (#928) qrp-l # 1033 ARCI # 9356
NorCal 38S w/5w/Tick (#927) G-QRP # 9660 ARS # 269
HW8 (no mods)=20

Date: Fri, 11 Jul 1997 10:46:52 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [22892] Re: Pixie, Thoreau restated

Message-ID: <33C6475C.3497@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'd like to offer a differing viewpoint--I think it is possible to be a QRP'er and not be either a DX'er nor a Minimalist.

I've certainly considered Minimalism, but upon careful reflection, I find it often conflicts with the desire for quality. Sure, it can be fun to use the least possible parts, but what if this results in a trashy signal? I prefer to add the necessary parts so my signal sounds *better* than many kilobuck rigs.

I wanted to evaluate the quality of my 6M equipment during FD, which is why I didn't bring any HF gear.

Interestingly, I've actually gotten complaints about not having a higher profile--that people want to see more QRP articles in QST--even suggesting I write up projects that are merely compilations of what has already been published!

I'd have to agree that QST has a bias against minimalism. The ARRL technical staff expects construction projects to be duplicatable and meet FCC spectral purity requirements (even if the author lives in Canada).

--Zack Lau W1VT zlau@arrl.org

Date: Fri, 11 Jul 1997 10:44:17 -0400
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-1@Lehigh.EDU
Subject: [22893] my email adr is back up
Message-ID: <33C646C1.6564@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the BW gang. My email adr was down for TWO days! If you may resend now if desired.

--

73, (Sir)Randy WJ4P
Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

Date: Fri, 11 Jul 1997 09:53:28 -0500
From: James Parsons <k5rov@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [22894] SGC-2020
Message-ID: <33C648E8.6277@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I called SGC today to see if they had any new info on the SGC-2020. I notice that the SGC pages gives the technical specifications of the transceiver in detail.

They said that they still expect it to hit the market in late September. And, they will take orders at this time.

73..

Jim, K5ROV

--

James (Jim), Parsons, K5ROV USAF, Ret.
k5rov@worldnet.att.net QCWA, NWQRP, Fists, ARRL
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Fri, 11 Jul 1997 08:13:03 -0700 (MST)
From: Brian Kassel <bkassel@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [22895] W5VBO Mobile Vacation
Message-ID: <199707111513.IAA12210@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks:

I will be leaving for my 1 month journey into the frozen (Ihope) north on Monday morning. I will have all of my Listserver E-MAIL

postponed by the end of today. I WILL NOT be able to receive any E-MAIL from my remote location. It will simply sit in my Mailbox until I return to Phoenix.

I will be operating QRP mobile CW around the QRP calling frequencies on my way up to SD and on my way back. I'll be operating in AZ, NM, TX, OK, KS, NE ND, and Possibly into Canada from Lake Loius. There is no set time for my operations. Roughly, I'll be on the highest band that is open at the time.

I have mobile antennas for all bands 40-10 except 17M and 12M. I will not be using my magnetic mount as I have in the past. I will be using a trailer hitch arrangement which should give me a much better RF ground, especially on 40M. I suspect most operation will be on 40 and 20. I'll have my QRP+ as well as my 38S 30M rig. The Argosy will stay at the home QTH.

I plan to put up some sort of a random wire, or my now-famous "chalk-reel dipole" at Joanna's folks' 2nd floor apartment.

It sure would be a lot of fun to be able to QSO any of you from up there, but of course it is a pretty hit and miss situation.

Last year I had over 50 QSO's while mobile, so hope to do at least that good this time.

Y'all have fun while I'm gone, don't work all of the DX.

```
*****
* Brian D. Kassel W5VBO - QRP - ScQRPion *
* QRP-L #404 - ARCI #3623 *
*****
```

Date: Fri, 11 Jul 1997 11:33:25 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [22896] Ham radio links
Message-ID: <Pine.GS0.3.96.970711113208.8946A-100000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Do you have a lot of ham related bookmarks?
Try this website..it has 1277 links to ham radio sites. nice job.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 11 Jul 1997 11:37:41 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [22897] RE: Ham websites
Message-ID: <Pine.GS0.3.96.970711113531.8946B-1000000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Duh .
now that I have your attention:

try

<http://pw2.netcom.com/~ac6v/pageas.html>

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 11 Jul 1997 08:37:38 -0700
From: Ed Loranger <we6w@qsl.net>
To: ka7you@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22898] Re: ??HF Mobile antennas on Motorhome??
Message-ID: <33C65342.37B@qsl.net>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Read your request quickly and hope I didn't miss anything.

If you work while driving -- you'll have to use something else. But the absolute best I've seen on a parked trailer fifth wheeel, or motorhome is an interesting 3/4 square arrangement I saw in the ARRL Antenna Anthology. 1987?

The guy put supports front and rear of the vehicle. Then ran a wire across from top to top. the supports were insulated I believe and very sturdy despite their height.

The article is at home. But you should be able to get info on this by reading between the lines of a bobtail curtain.

72 - Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARCI#???? grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 11 Jul 1997 08:26:46 -0700
From: Ed Loranger <we6w@qsl.net>
To: boice@bigfoot.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22899] Re: How to search WWW archive?
Message-ID: <33C650B6.62C0@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There's a couple or more ways to do it. I also beleive there is a Listserver command that will email articles to you. No time to search for that but you should have a copy of the listserver reply package somewhere. At any rate it is easy to find if you go to the QRP-L website.

Here's a good start:
<http://qrp.cc.nd.edu/qrp-l/clubinfo.html>
<http://www.lehigh.edu/lists/Archives/qrp-l/>
<http://www.Lehigh.EDU/lists/Archives/qrp-l/author.html#start>

ftp://FTP.LEHIGH.EDU/pub/listserv/qrp-1/
-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARCI#???? grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 11 Jul 1997 12:01:51 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [22900] Re: ??HF Mobile antennas on Motorhome??
Message-ID: <Pine.LNX.3.93.970711115155.584L-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 11 Jul 1997, Ed Loranger wrote:

> else. But the absolute best I've seen on a parked trailer
> fifth wheeel, or motorhome is an interesting 3/4 square
> arrangement I saw in the ARRL Antenna Anthology. 1987?

Although I have now idea which QST it was in (but in the last two years),
in {Up Front} there was a picture of a PARKED motor home with a 66' dipole
above it. There were "flagpole" type mounts on the front and rear bumpers
with 10' sections of UMT conduit sticking out at 45 degree angles, with
30' extendable paint poles out of that. The whole thing put the antenna
up at about 30' and was said to work well:) I don't remember seeing any
guy wire to prevent lateral movement but there must have been something...
As I remember it was said to have attracted a lot of attention, welcome
and unwelcome. I guess you could drive with it if you were in ND <hint,
hint> or something. 72

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | <http://dns.vidtel.com/~ccart> --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

Date: Fri, 11 Jul 1997 12:21:25 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-1@Lehigh.EDU>

Subject: [22901] Re: IC706MKII_STUCK_LCD_SEGMENTS
Message-ID: <Pine.LNX.3.93.970711121415.584M-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Jul 1997 HIMES@idic11.idi.oclc.org wrote:

> Has anyone noticed that sometimes in FM mode, a single,
> signal strength LCD segment (roughly around s4 or 5)
> will stay ON even in with no signal coming in?

A neighbor of mine has a 706, and I noticed this when he was warming up for field day. When I asked him about it he said it's a "feature" that shows the highest S unit reading for a period. I would assume that it's adjustable so that you can have it "reset" every XX seconds and get peak S unit reading during a QSO. I can ask him a liittle more about it if you'd like. I've only got a DX70T and don't have this "feature" :) ...ummm, that I know of... Manual?? The DX70 comes with a manual???

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

Date: Fri, 11 Jul 1997 11:22 CDT
From: FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \((608\) 267-3135)
To: qrp-l@Lehigh.EDU
Subject: [22902] Re: Badgers organizing, getting dangerous?
Message-ID: <009B71752A3CC6F0.98E7@dnr.state.wi.us>

Ha! You should try living in the same town. There are lots of Badgers here.

Perhaps I should join them!

73 (es 72) de N9WR, Don C. Faith III
Madison, WI (M.S. Ch.E. U.W.-Madison, 1979).

Date: Fri, 11 Jul 1997 09:27:41 -0700
From: Ed Loranger <we6w@qsl.net>
To: len@infinet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22903] Re: 15 METER SUCCESS - it's getting more reliable
Message-ID: <33C65EFD.51EC@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Have yet to qso on 15. 21060 sked anyone?????

QTH Santa Rosa, CA.

PS: Big news for this ham!
Got Sam, KH6AFS last night on 14,059 KHz.
Gave me a 519!!!!!! Was preparing for a sked
with W7LS on 80 meters and had just added a 35'-6"
horizontal section to my 30 Ft vertical. Wanted
the 1/4 wave Bent L to Help me out on my small lot.

Two Firsts: First ever DX. First time Ever using a
Keyer. Bencher with home brew Keyer circuit. Was at about
20 WPM at 95 % error free. Not the usual 16-20 WPM scratch
straight key work from we6w. Especially that cheap imitation
key I use..... Light though, Plastic and great for
when I Spartan Sprint! Watch out guys, the battery is going
to be just big enough to work 2 hours. Going to put
some paralleled npn's on the pixie output for about 3 watts
and I'll be light! Of course not QSK. But I'll figure out
something....

72 de Ed Loranger, we6w

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARCI#???? grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 11 Jul 1997 9:33:00 -0500
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-l@Lehigh.EDU (Receipt Notification Requested)
Subject: [22904] Spectrum Analyzer adapter
Message-ID: <M1963814.004.5yev2.1.970711164233Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

A few days ago, Steve Weber, KD1JV, posted a note about his Mark II adapter he
was planning to kit, asking if there was interest.

I've dropped him two emails so far with no response. Has anyone else heard from him yet?

Is he maybe on vacation or something?

I'd really like to know more about this beast, as it sounds like it would fit my needs.

73, Bob N6WG

Date: Fri, 11 Jul 97 16:44:06
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [22905] W1FB email address ??
Message-ID: <199707111643.LAA00424@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Can anyone supply the current one??

Thanks

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Fri, 11 Jul 1997 10:55:02 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU
Subject: [22906] CQC Meeting & Awards
Message-ID: <199707111655.KAA24305@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Tomorrow (Saturday the 12th) is the annual Picnic Meeting of the Colorado QRP Club, and I hope if you are in the area you will join us. Directions can be found on the web site (or email me):
<http://www.mtechnologies.com/mthome/cqcevent.htm>

At the meeting, I will have the honor of presenting a couple of award

certificates-- the Gold Star Certificate (for services to the Club and to QRP) to Jim Moravec, N0COT and the Colorado Counties Certificate to Michael Stewart, KB0ZTN.

The Counties award is available to non-members, so if you're interested check out the web page:
<http://www.mtechnologies.com/mthome/cqcaward.htm>

73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>
(303)752-3382
--

Date: Fri, 11 Jul 1997 12:15:32 -0500 (CDT)
From: "A. Weiss W0RSP" <AWEISS@charlie.usd.edu>
To: qrp-l@Lehigh.EDU
Cc: AWEISS@charlie.usd.edu
Subject: [22907] MPS-U31 Replacement???????
Message-ID: <970711121532.3345f@charlie.usd.edu>

Hi Gang!

Perhaps someone can help with a suggestion about a replacement device for the MPS-U31 used as Q1 in the VIKING-5 in JOY OF QRP. I lost the specs on the MPS-U31, but it was a general purpose CB r.f. amplifier capable of running 5-w, Vcc at 13.6vdc. The case was the flat-tab type, i.e., the tab to be screwed to a flat-surface heatsink formed the back of the flat case of the transistor. I'd appreciate any help on this!

73, Ade W0RSP

Date: Fri, 11 Jul 1997 11:27:07 -0600 (CST)
From: Bruce Rattray <rattray@siast.sk.ca>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [22908] QRP at Glacier
Message-ID: <0807271111071997/A15643/RIEL/11B75ADB0600*@MHS>
MIME-version: 1.0

Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Looks like Doug, K7YD, and myself will be having a QRP get-together at the Glacier/Waterton Hamfest the weekend of July 18.19,20...Doug will be operating qrp from there...I was just wondering if there will be anymore qrpers there?...maybe we could all have an eyeball...reply to my e-mail please or the QRP-L List...72 - Bruce (VE5RC) QRP-L#886
"QRP! How sweet it is!"

e-mail at: rattray@siast.sk.ca

Date: Fri, 11 Jul 1997 13:34:18 -0400
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-l@Lehigh.EDU
Subject: [22909] my email box is back up
Message-ID: <33C66E9A.7FE2@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the BW gang.
My email box has been off line for two days.
You can resend if you need to...

--
73, (Sir)Randy WJ4P
Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

Date: Fri, 11 Jul 1997 12:43 CDT
From: FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \ (608\) 267-3135)
To: himes@idi.oclc.org
Cc: qrp-l@Lehigh.EDU
Subject: [22910] Re: Icom IC 706 MK II
Message-ID: <009B71808EF5FD90.B32F@dnr.state.wi.us>

Hi Marty (2nd attempt, not sure if my first one made it through).

I have an 'old IC 706' and I am pretty confident that what you are seeing is a marker that shows the "S" meter level that is necessary to break/open the squelch.

You will see that if you vary the squelch setting the marker will move up and down the scale. I believe that there may also be a peak marker but I think that that goes away.

73 (es 72) de N9WR, Don C. Faith III

Date: Fri, 11 Jul 97 18:09:44 UT
From: "Ed Manuel" <n5em-qrp@msn.com>
To: "QRP-L Remailer" <qrp-l@Lehigh.EDU>, MNHopkins@aol.com
Subject: [22911] Minimalism Abandoned?
Message-ID: <UPMAIL15.199707111809530936@msn.com>

Ah, but we have not abandoned minimalism, Mike. Consider what has happened in just the last two years. First the Pixie (Dayton Building Contest, 1994), then the 40-9er (hundreds sold), then the 38 special (over 1500 of them sold, last I heard). These are minimalist rigs, to be sure. Granted, we don't bow at the minimalist altar like the Brits (God love 'em), but we do our share. It's important to me not to superimpose my priorities on others. QRP is about operating low power. Within that subset of amateur radio, many different specialities thrive, including backpacking, trail-friendly-rigs, digital operations, microwave experimentation, milliwattting, etc. There is room for all. Minimalism is one aspect of QRP and has a long tradition. But no one aspect should (or does) "define" QRP, except the willingness to reduce power and operate with the least amount of power necessary to complete the communication.

de ab5l MHHopkins@AOL.com said -

"I hoped to suggest that we have disregarded the Minimalist tradition of QRP in favor of what I must call the DXer tradition."

Date: Fri, 11 Jul 1997 14:17:26 -0400
From: Tom Bowman <tbowman@nbn.net>
To: qrp-l@Lehigh.EDU
Subject: [22912] Dan's Small Parts
Message-ID: <2.2.32.19970711181726.006c8764@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just add my name to the list of satisfied parts customers at Dan's.

For parts, he can't be beat, either in price or in the way he packs the parts order in individual bags when he ships them. While not strictly QRP, it would be tough to beat some of Dan's prices on bypass caps, especially the 1 KV ones for boatanchor repair....

Check the often-mentioned 25-percent off sale at:

<http://www.fix.net/dans.html>

One more thing: Paul Harden, NA5N's Data Book for Homebrewers and QRPers makes shopping for parts - then identifying them - easy. I've come to rely on it more and more. I'm not sure where the book is sold now, but check with Paul, he's on the list. Try:

pharden@aoc.nrao.edu

Usual disclaimers apply.

73,

Tom, WA3REY

Tom Bowman, WA3REY <>< Mount Gretna, PA 17064 tbowman@nbn.net

Date: Fri, 11 Jul 1997 09:01:16 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-1@Lehigh.EDU
Subject: [22913] Lost Magazine Article
Message-ID: <33C658CC.1EFC@pacific.vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Listmembers,

A friend was thinking about making a switching power supply for his QRO rig (I haven't converted him yet). I seem to remember reading an article recently about these type of supplies but can't seem to find it. Does this spark a light in anyone's memory that can point me in the right

direction.

Thanks.

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Fri, 11 Jul 97 20:17:38
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@Lehigh.EDU>
Subject: [22914] W1FB email address
Message-ID: <199707112036.PAA10262@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks to all replying...

Bob, W3CX, says that Buckmaster has it as:

w1fb@arrl.com

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Fri, 11 Jul 1997 16:43:10 -0400
From: Bob Hirsch <bobh@p3.net>

To: qrp-1@Lehigh.EDU
Subject: [22915] stamps
Message-ID: <3.0.1.32.19970711164310.0070a7ac@p3.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Once upon a time, a long, long time ago.....
someone on this list mentioned a children's
hospital where many of the kids were stamp collectors
and we could send the stamps from our QSL cards.
Anybody know where this was? I've got a bunch to send.
Or anybody on the list have a someone in the house who collects?

72/73 de Bob, W3CW

Date: Fri, 11 Jul 1997 16:51:49 EDT
From: wb2vuo@juno.com (William K Hibbert)
To: qrp-1@Lehigh.EDU
Subject: [22916] Station ordered off the air in Interference case
Message-ID: <19970711.165109.2063.0.wb2vuo@juno.com>

Not QRP, or is it??? Read on...

>From the NG2P DX Cluster:

Msg #403 From: AA1BU Date: 10-Jul 0402Z Subj: FCC - Interference Cntrl
SUBJECT: Too long. Original SUBJECT is 'This sort of ruling could also
impact amateurs causing RF to their neighbors non-RF equipment'

-----Original Message Follows-----

FCC NO LONGER THE MASTER OF INTERFERENCE CONTROL

Legal counsel for KSAC, Lee Shubert [Haley, Bader & Potts
requests expedited processing of their application because the
station has been ordered "silent," although licensed, by a court
order emanating from the Superior Court of Cailifornia, County of
Amador. The court ruled that county zoning requirements preclude
the use of KSAC's current transmitter site as a radio broadcasting
tower site, based upon, in part, RF blanketing interference grounds.

The court found that KSAC's use permit was denied...on grounds
which (among others) included interference with neighboring land-
owner's reception of other broadcast signals and neighbors'

telephone communication, tape answering machine operation, and stereo phonograph operation. Petitioners (IBC) contend that Congress, through the FCC, has preempted all local authority and control over radio frequency interference (sic).

The court has determined that respondent Amador County Board of Supervisors acted within its jurisdiction in denying the use permit upon interference grounds, to the extent that the interference is with "non-RF (radio frequency)" devices within the vicinity of the tower. As a result of the court's order, IBC was forced to cease broadcast operations with KSAC in November 1996. IBC has requested intervention by the FCC's general counsel's office, but to date the Commission's staff expressed no interest in the matter.

In the past 90 days, IBC sought relief by filing for a new zoning permit proposing to conduct tests to remediate problems. Again, the Zoning Board refused the request on the basis that the operation of KSAC will cause blanketing interference to the site's neighbors, thereby essentially denying them "quiet enjoyment" of their property. IBC is now filing an application to specify a new site.

Without a federal preemption, this type of court decision could spell sheer disaster for any broadcaster or amateur radio operator.

=====

Don't view this as a local aberration of the County Court out there on the Left Coast. Exactly the same logic and argument was used against WNVE FM/95.1 in Rochester in early 1995.

They had the permits, ran 90 KW from a 2000 Ft elevation for a wide coverage (Rochester to Syracuse) commercial FM station, and had been on the air for a couple of years. When the management put the Howard Stern show on, the complaints started, (partly over the material on the show, but mostly because of interference to everything from thermostats to the Cable TV), and after a year-long court battle, in which the FCC refused to offer an argument on either side, the station was ordered off the air from that site, and was required to relocate the TX...

The homeowners that filed suit DID NOT live on the hill when the TX was first built. The tract was put in about 2 years after WNVE went on the air, meaning that their TX was a pre-existing condition, a factor that carried no weight with the court...

Granted that EMI from a 90 KW TX is far worse than from a 5 W TX, but people that spend \$200K on their house don't give a crap about such things. One of my co-workers told about someone in the Charleston (SC) area that won a suit against a neighbor that had their baby monitor on the same frequency as their cordless phone, accused them of "wiretapping"

That recent case in NJ where the judge threw out the complaint because he had no jurisdiction in RFI/EMI may be the exception rather than the rule...

72/73, Keith, WB2VU0, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (QRP @ 28.287 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

Wow. The local station here is KSC0. It is so loud that with my Pixie I can't hear anything else. It is interfering with my fun. I wonder Hmmm.....

QRP-L #16 Private Practice : Companion Animals and
Exotics
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa
Cruz
Santa Cruz,
California

Date: Fri, 11 Jul 1997 18:26:42 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [22918] Re: MPS-U31 Replacement??????
Message-ID: <Pine.LNX.3.93.970711181459.2043B-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 11 Jul 1997, A. Weiss WORSP wrote:

> Perhaps someone can help with a suggestion about a replacement device
> for the MPS-U31 used as Q1 in the VIKING-5 in JOY OF QRP. I lost the
> specs on the MPS-U31, but it was a general purpose CB r.f. amplifier

I pulled out the ECG (is that mildew I smell?) cross reference (circa 1979) and it shows the MPSU31 crossing to an ECG 322, which is listed with the following spec's:

DESC: NPN-Si, RF Power AMP, Po 3.5W min, 27 Mhz
BVcbo: --
BVceo: 65 Volts
BVebo: 3 Volts
Ic: .5 Amps Max (collector current)
Pd: 10 Watts (collector dissipation, max)
Case: X-81 (sort of a small T0-220)
Pinout: E-B-C (viewed from front, tab connected to collector)

And in 1979 they sold for \$2.68 :) You might try to cross this at the NTE webpage, www.ntc.com, I think. If you want me to try to cross something you have just give me a holler.

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | <http://dns.vidtel.com/~ccart> --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

Date: Fri, 11 Jul 1997 15:26:59 -0700
From: Ed Loranger <we6w@qsl.net>
To: grudin@pacific.vdbs.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22919] Re: Station ordered off the air in Interference case
Message-ID: <33C6B333.4A22@qsl.net>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A few things to help remedy this. And I've done them.

One: change output capacitor to 100 pf. (The one right on the collector of output/Input Transistor)

Two: Keep keying line very short, Its a second antenna.

Three: Tailor output filter if possible to band-pass.

Four: LM386 power amp input sometimes detects BC. There's a fix for this, I think it's in my wallet..... Nope. Took it out when I got some back issues of the QRP-Quarterly that had the details.

Five: Make sure the antenna is 66 feet long. Or at least resonant -- The pixie's not happy unless it is.

Six: Make sure the battery is properly bypassed for RF.

Seven: Choke off headphone or speaker wires... Antenna again.

You'll see some of this if you touch the keying line.

Do some testing with a 2 Uh coil at the output to ground. Maybe 1 Uh.... Kind of a Hi-pass after the final filter.

And just to quiet the rumors I'm always technical:

"pixie you say? Is she cute?"

And last but not least: Design the pixie_3!
(I'm working on this.)

Hope I've helped.

Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VF0.
QRP-L#1068/Norcal#2227/ARCI#???? grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 11 Jul 1997 15:29:59 -0700
From: Ed Loranger <we6w@qsl.net>
To: grudin@pacific.vdbs.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22920] Re: Station ordered off the air in Interference case
Message-ID: <33C6B3E7.1329@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One more and probably the first thing to do:

GET OUT OF THE HOUSE! Rig usually getting all the
BC QRM from the house wiring.

74? curiously Strong Regards.
You guys/gals crack me up.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARCI#???? grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 11 Jul 1997 22:48:44 +0100
From: Werner Jochem <Werner.Jochem@hoexter.netsurf.de>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22921] DX/QRP ZF2DE/8 QSL VIA?
Message-ID: <33C6AA3B.BF59B7B4@hoexter.netsurf.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ZF2DE/8 - work first worry later?

I picked him up on 20m (14057) tonite. He came in with a strong signal
working US stations and Europeans. My power was 5 watts on the 84m lazy
loop.

But this guy didn't give any qsl information for a period of half an
hour although he had been asked for it by several stations. I didn't
find anything in the usual qsl info sources.

A slim?

72 Joe

Bach, Beethoven, Mozart, Morse !
